

MODEL **27TMH with POD vent**

VOLTAGE **12**

MATERIAL **Polypropylene**

DIMENSIONS **Inches (mm)**

BATTERY **Deep-Cycle Flooded/Wet Lead-Acid Battery**

COLOR **Maroon**

WATERING **No Watering System Available**

12 VOLT

BCI	MODEL NAME	VOLTAGE	CELL(S)	TERMINAL TYPE G	DIMENSIONS ° INCHES (mm)			WEIGHT ° LBS. (kg)
					LENGTH	WIDTH	HEIGHT ° F	
27	27TMH	12	6	5, 7, 8, 9	12.84 (326)	6.60 (168)	9.74 (247)	61 (28)



WITH **T₂** TECHNOLOGY



PERCENTAGE CHARGE	SPECIFIC GRAVITY	CELL	VOLT
100	1.277	2.122	12.73
90	1.258	2.103	12.62
80	1.238	2.083	12.50
70	1.217	2.062	12.37
60	1.195	2.040	12.24
50	1.172	2.017	12.10
40	1.148	1.993	11.96
30	1.124	1.969	11.81

PHYSICAL SPECIFICATIONS

20	1.098	1.943	11.66
10	1.073	1.918	11.51

ELECTRICAL SPECIFICATIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)				
SYSTEM VOLTAGE	12V	24V	36V	48V
Bulk Charge	14.82	29.64	44.46	59.28
Float Charge	13.50	27.00	40.50	54.00
Equalize Charge	16.20	32.40	48.60	64.80

Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.

ADD	SUBTRACT
0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F	0.005 volt per cell for every 1°C above 25°C 0.0028 volt per cell for every 1°F above 77°F

CRANKING PERFORMANCE		CAPACITY ^A MINUTES		CAPACITY ^B AMP-HOURS (Ah)				ENERGY (kWh)	INTERNAL RESISTANCE (mΩ)	SHORT CIRCUIT CURRENT (amps)
C.C.A. ^D @ 0°F (-18°C)	C.A. ^E @ 32°F (0°C)	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr		
—	—	200	51	95	106	115	128	1.54	—	—

CHARGING INSTRUCTIONS

CHARGING TEMPERATURE COMPENSATION

OPERATIONAL DATA

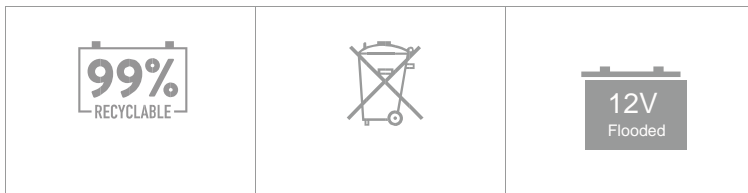
RECYCLE RESPONSIBLY STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE TROJAN 27TMH PERFORMANCE PERCENT CAPACITY VS. TEMPERATURE

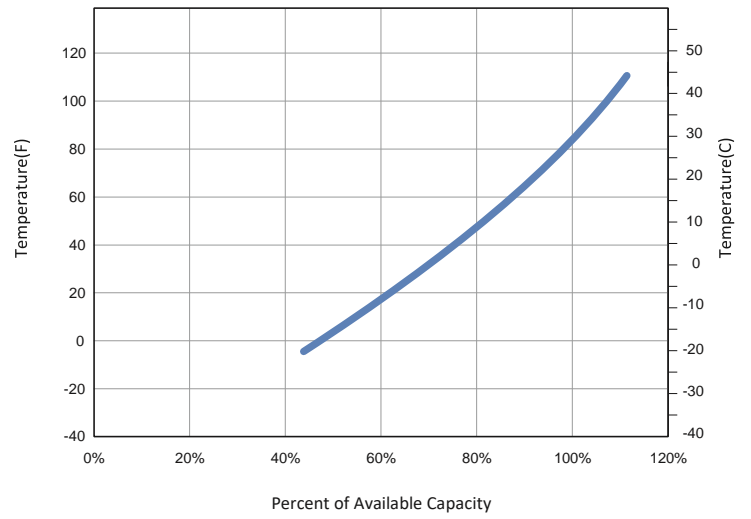
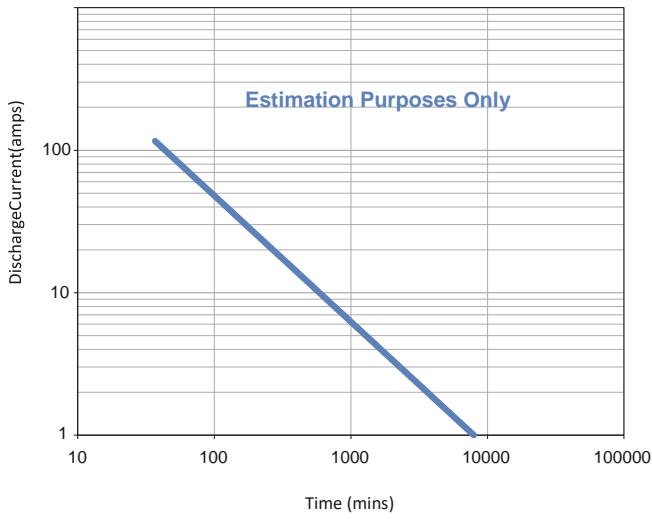
OPERATING TEMPERATURE	SELF DISCHARGE
-4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	5 – 15% per month depending on storage temperature conditions.

1000

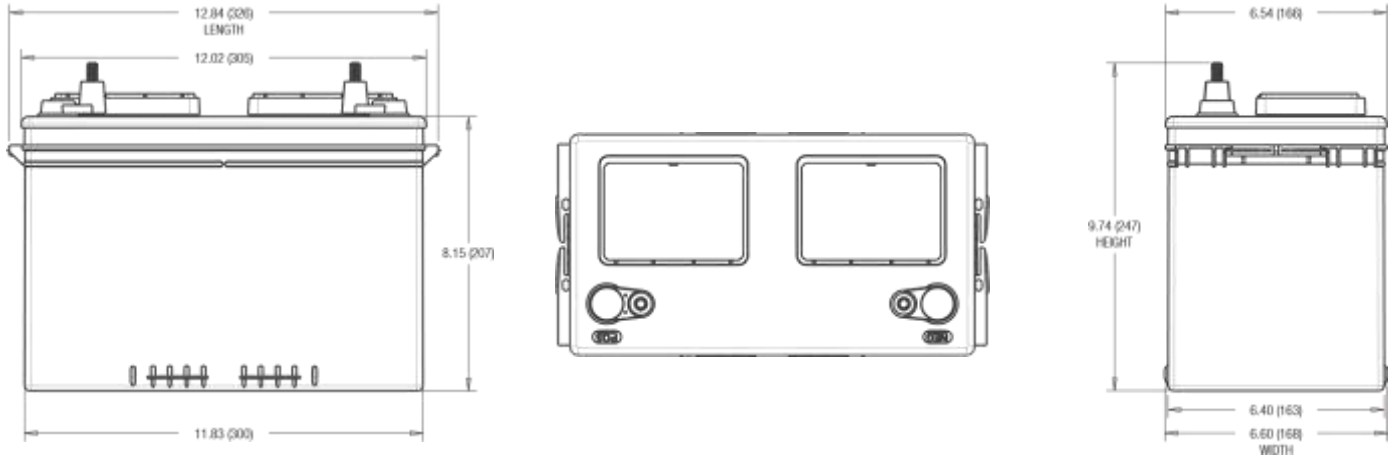
140

60









BATTERY DIMENSIONS (shown with WNT)



TERMINAL CONFIGURATIONS^G

5	LT	L-TERMINAL
	<p>Terminal Height Inches (mm) 1.70 (43)</p> <p>Torque Values in-lb (Nm) 95 – 105 (11 – 12)</p> <p>Bolt 5/16"</p>	
8	AP	AUTOMOTIVE POST TERMINAL
	<p>Terminal Height Inches (mm) 0.83 (21)</p> <p>Torque Values in-lb (Nm) 50 – 70 (6 – 8)</p>	

	<p>Terminal Height Inches (mm) 1.10 (28)</p> <p>Torque Values in-lb (Nm) 95 – 105 (11 – 12)</p> <p>Bolt 5/16"</p>	
9	WNT	WINGNUT TERMINAL
	<p>Terminal Height Inches (mm) 1.50 (38)</p> <p>Torque Values in-lb (Nm) 95 – 105 (11 – 12)</p> <p>Bolt 5/16"</p>	

- A. The number of minutes a battery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
- B. The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
- C. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum.
- D. C.C.A. (Cold Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 0°F (-18°C) at a voltage above 1.2 V/cell.

- E. C.A. (Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 32°F (0°C) at a voltage above 1.2 V/cell. This is sometimes referred to as marine cranking amps @ 32°F or M.C.A. @ 32°F.
- F. Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.
- G. Terminal images are representative only.
- H. Weight may vary.

7	UT	UNIVERSAL TERMINAL
---	----	--------------------



Designed in compliance with applicable BCI, DIN, BS and IEC standards.
Tested in compliance to BCI and IEC standards.



800.423.6569 / +1.562.236.3000 / trojanbattery.com

27TMH.DS20819

© 2019 Trojan Battery Company, LLC. All rights reserved. Trojan Battery Company is not liable for damages that may result from any information provided in or omitted from this publication, under any circumstances. Trojan Battery Company reserves the right to make adjustments to this publication at any time, without notice or obligation.